CLAIMS

I claim:

1	1. A molding machine, comprising:
2	two mold carriers defining a mold space therebetween, wherein one of said two
3	mold carriers is movable relative to the other of said two mold carriers;
4	a drive for moving said one of said two mold carriers; and
5	a power unit for generating a predetermined closing force between said two mold
6	carriers when said two mold carriers are moved together, wherein the separate power unit
7	comprises a pressure cushion filled with a highly viscous composition that has a viscosity greater
8	than that of hydraulic oil.
1	2. The molding machine of claim 1, wherein said drive comprises an
2	electromechanical drive.
1	3. The molding machine of claim 2, wherein said drive comprises a ball-
2	rolling spindle drive.
1	4. The molding machine of claim 2, wherein said drive comprises a hollow-
2	shafted motor, a spindle and a spindle nut and wherein said hollow-shafted motor is operatively
3	connected for effecting linear movement of said spindle.
1	5. The molding machine of claim 1, further comprising a pressure cylinder,
2	wherein said pressure cylinder and said drive are supported on the same part of said molding
3	machine, and wherein said pressure cushion is disposed in said pressure cylinder.

1 6. The molding machine of claim 5, further comprising an auxiliary piston 2 arranged for generating the pressure of said pressure cushion, wherein a piston surface of said 3 auxiliary piston is smaller than a piston surface of said pressure cylinder. 1 7. The molding machine of claim 6, further comprising an electromechanical 2 linear drive operatively arranged for moving said auxiliary piston. 1 8. The molding machine of claim 1, wherein said highly viscous composition 2 comprises grease. 1 9. The molding machine of claim 1, wherein said molding machine 2 comprises an injection molding machine and said mold carriers comprise mold mounting plates. 1 10. The molding machine of claim 9, wherein said injection molding machine 2 comprises a tiebarless injection molding machine and further comprises a C-shaped shackle and 3 a third plate, wherein said third plate and said other of said two molded carriers are retained at 4 said C-shaped shackle and wherein said drive for said one of said two mold carriers is supported

on one of said third plate said other of said two mold carriers.

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